

LISTING OF CLAIMS:

1. (Currently amended) A dynamic quantity sensor comprising:

a signal generating section for generating a detection signal having a signal level representing an applied dynamic quantity; and

a signal correcting section for correcting said detection signal produced from said signal generating section in such a manner that an unapplied level of said detection signal to be obtained when said dynamic quantity is not applied is equalized to a predetermined reference level,

wherein said dynamic quantity sensor has a failure mode in which an output of said signal generating section is fixed to said reference level, and

said signal generating section adjusts the detection signal in such a manner that said signal correcting section generates a large correction amount sufficient ~~for the~~for an output signal from said signal correcting section to deviate from a failure judgment unable region including said reference level in case of failure corresponding to said failure mode,

wherein said signal generating section comprises a sensor element having a movable portion causing a displacement in accordance with the applied dynamic quantity,

said sensor element includes first and second capacitive elements cooperatively causing a complementary capacitance change in response to the displacement of said movable portion, and a third capacitive element connected in parallel with one of said first and second capacitive elements, and

said third capacitive element and said one of said first and second capacitive elements connected in parallel with said third capacitive element are connected to common terminals at both ends thereof.

2. (Currently amended) The dynamic quantity sensor in accordance with claim 1, wherein said signal generating section further comprises ~~a sensor element having a movable portion causing a displacement in accordance with an applied dynamic quantity and a signal~~ conversion circuit converting the displacement of said movable portion into said detection signal having the signal level representing said applied dynamic quantity.

3. (Currently amended) The dynamic quantity sensor in accordance with claim 2, wherein
~~said sensor element includes first and second capacitive elements cooperatively causing a complementary capacitance change in response to the displacement of said movable portion,~~
said signal conversion circuit includes a CV conversion circuit converting the complementary capacitance change caused in said first and second capacitive elements into a voltage change, and
the unapplied level of said detection signal is adjusted based on a capacitance ratio of said first and second capacitive elements under a condition that said dynamic quantity is not applied.

4. (Currently amended) The dynamic quantity sensor in accordance with claim 3, wherein ~~the capacitance ratio of said first and second capacitive elements is adjusted by connecting a~~ said third capacitive element connected in parallel with said one of said first and second capacitive elements has a function of adjusting the capacitance ratio of said first and second capacitive elements.

5. (New) The dynamic quantity sensor in accordance with claim 1, wherein the dynamic quantity sensor is utilized with a collision judging apparatus.